| Map unit symbol and | 1 | | | i i | | HYDRIC SOIL CRITERIA * | | | | | |
|---|-------------------------|---------------------------------|----------------------|---------------------------------|----------------------------|-------------------------------------|--------|----------------------------------|-----------------------|--|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapuni acres | | |
| 20B: | i | i | i | ii | | -¦ | | i I | i 1 1,65 | | |
| CHAPETT FINE SANDY LOAM, 2 TO 6 PERCENT | İ | i I | İ | į į | | į | | l I | į | | |
| SLOPES | CHAPETT | 90 | No | į į | | į į | | i | į | | |
| | BRAHAM AND | ! | | | | 1 | | ! | | | |
| | SIMILAR SOILS | 2 | No | | | | | l | I I | | |
| | LESSER OR | [[| | | | | | | | | |
| | GREATER SLOPES | 2 | Unranked | i i | | i i | | | į | | |
| | İ | . 2 | | | | | | ! ! | į | | |
| | ROLISS AND SIMILAR | | | | | | | | I I | | |
| | SOILS | 2 | Yes | Flats | 2B3 | YES | NO | NO | I I | | |
| | SMILEY AND SIMILAR | I I | 1 | | | | | | I | | |
| | SOILS | 2 | Yes | Flats | 2B3 | YES | NO | , NO | į | | |
| 20C2: | | | | | | 1 | | | 29 | | |
| CHAPETT FINE SANDY LOAM, 6 TO 12 PERCENT | | | | | | | | | I I | | |
| SLOPES, ERODED | CHAPETT | 90 | No | | | | | | I | | |
| | BRAHAM AND | į | į | į į | | į į | | į | į | | |
| | SIMILAR SOILS | 2 | l No | ¦ ¦ | | | | | 1 | | |
| | LESSER OR | | | | | | | | | | |
| | GREATER SLOPES | 2 | Unranked | | | | | l I | I | | |
| | İ | ! | I | į į | | į į | | ! ! | į | | |
| | ROLISS AND SIMILAR | | | | | 1 | | ! | | | |
| | SOILS | 2 | Yes | Drainageways | 2B3 | YES | NO | I NO | I I | | |
| | SMILEY AND SIMILAR | I I | 1 | | | | | | 1 | | |
| | SOILS | 2 | Yes | Drainageways | 2B3 | YES | NO | NO NO | į | | |
| 38B: | 1 | | | | | 1 1 | | ! | 1 10,832 | | |
| WAUKON LOAM, 2 TO 6 PERCENT SLOPES | WAUKON | l 90 | No | | | | | l | 1 | | |
| | LENGBY AND | İ I | İ I | | | | | İ I | İ | | |
| | SIMILAR | 2 | No | i i | | i i | | | į | | |
| | i | <u>2</u> | No | | | | | | i | | |
| | LESSER OR GREATER | | | | | - | | | | | |
| | SLOPES | 2 | Unranked | | | | | | 1 | | |
| | ROLISS AND | į | į | į į | | į į | | į | į | | |
| | SIMILAR SOILS | 2 | Yes | Flats | 2B3 | YES | NO | I NO | ļ | | |
| | SMILEY AND | | | | | | | | I I | | |
| | SIMILAR SOILS | 2 | Yes | Flats | 2B3 | YES | NO | l I NO | I | | |
| 38C2: | | İ | į | į į | | į | | İ | i 3,180 | | |
| WAUKON LOAM, 6 TO 12 | į | | į | i i | | į į | | <u>.</u> |] | | |
| PERCENT SLOPES, ERODED | WAUKON | I I 90 | No | | | | | | 1 | | |
| | LENGBY AND | | | | | | | | I I | | |
| | SIMILAR SOILS | 2 | No | | | | | l I | I | | |
| | i | ! | | į į | | į į | | ! | į | | |
| | LESSER OR GREATER | | | | | 1 | | | | | |
| | SLOPES | 2 | Unranked | | | | | | | | |
| | ROLISS AND SIMILAR | | 1 | | | 1 | | | I I | | |
| | SOILS | . 2 | Yes | Drainageways | 2B3 | YES | NO | , I NO | į | | |
| | SMILEY AND | <u> </u> | | i i | | 1 | | | 1 | | |
| | SIMILAR SOILS | 2 | Yes | Drainageways | 2B3 | YES | NO | l I NO | | | |
| 38D2: | I I | | 1 | | | | | | i 45! | | |
| WAUKON LOAM, 12 TO 20 PERCENT SLOPES, | İ | İ | İ | i | | į | - | i I | į | | |
| ERODED | WAUKON | l 90 | l No | | | | | ! ! | ! | | |
| | LENGBY AND | ! | | ı | | | | I | I | | |
| | SIMILAR SOILS | 2 | l I No | i i | | i i | | | 1 | | |
| | İ | . <u>-</u> ! | | į | | į | | | į | | |
| | LESSER OR GREATER | I | l | | | 1 | | ! | | | |
| | SLOPES | 2 | Unranked | | | | | I | 1 | | |

| Map unit symbol and | | | į | | HYDRIC SOIL CRITERIA * | | | | | |
|---|---|--------------------------------------|-------------------------------------|------------------------------|----------------------------|------------------------------------|-------------|--------------------------------------|------------------------|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapunit acres | |
| | | 2 | Yes | Drainageways | 2B3 | | NO | I I I NO | | |
| | SMILEY AND SIMILAR SOILS | | Yes | | 2B3 | YES | NO | I NO | | |
| 40B: NEBISH LOAM, 2 TO 8 PERCENT SLOPES | NEBISH | | No | | | | | | 26,761 | |
| | HAMRE AND SIMILAR SOILS | | Yes | Depressions | 2B3,3 | YES | NO | | | |
| | LENGBY AND SIMILAR SOILS LESSER OR | | No | | | | | | | |
| | GREATER SLOPES TALMOON AND | 2 | Unranked | | | | | | | |
| 4 0C: | SIMILAR SOILS | 2 | Yes | Flats | 2B3 | YES | NO. | I I NO I | 9,930 | |
| NEBISH LOAM, 8 TO 15 PERCENT SLOPES | NEBISH HAMRE AND | 90 | No | | | | | | | |
| | SIMILAR SOILS LENGBY AND | 2 | Yes | Depressions | 2B3,3 | YES | NO | YES | | |
| | SIMILAR SOILS LESSER OR GREATER | 2 | No No | | | | | | | |
| | SLOPES TALMOON AND SIMILAR | 2 | Unranked | | | | | | | |
| 40E: NEBISH LOAM, 15 TO 30 | SOILS | ; 2 | Yes | Drainageways | 2B3 | YES | NO | NO | 2,822 | |
| PERCENT SLOPES | NEBISH HAMRE AND SIMILAR | 90 | No | | | | | | | |
| | SOILS LENGBY AND SIMILAR | 2 | Yes | Depressions | 2B3,3 | YES | NO | YES | | |
| | SOILS LESSER OR GREATER SLOPES | 2 2 | No Unranked | | | | | | | |
| | SLOPES TALMOON AND SIMILAR SOILS | 2 2 | | | 2B3 | YES | l NO | I I I I NO | | |
| 45E: MADDOCK LOAMY FINE SAND, 12 TO 30 | | | | | | | | | 143 | |
| PERCENT SLOPES | MADDOCK LESSER OR GREATER | 90 | No | | | | | | | |
| | SLOPES ROSEWOOD AND SIMILAR SOILS | 3 3 | Unranked | | 2в3 | YES | | NO | | |
| | SOILS CHAPETT AND SIMILAR SOILS | 3 2 | Yes No | Drainageways | 263 | I III | NO | NO | | |
| 63: ROCKWELL LOAM | ROCKWELL | 90 | Yes | Flats | 2B3 | YES | NO | NO | 1,139 | |
| | ROLISS AND SIMILAR SOILS | 3 | Yes | | 2B3 | YES | l NO | NO | | |
| | GONVICK AND SIMILAR SOILS | | No | | | | | | | |

| Map unit symbol and | ! | | | | | HYDRIC S | SOIL CRITER | IA * | |
|--|---|--------------------------------------|-----------------------------|------------------------------------|----------------------------|------------------------------------|-------------|--------------------------------------|------------------------|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapunit acres |
| | SUBSOILS WITH MORE GRAVEL- | • | Unranked | | | | | | |
| 111: HANGAARD SANDY LOAM | HANGAARD | 90 | Yes | Flats | 2B3 | YES | NO | l I NO | 1,070 |
| | DEERWOOD AND SIMILAR SOILS | 3 | Yes | | 3,2B3 | YES | NO | - YES | |
| | RADIUM AND SIMILAR SOILS | 2 | No | | | | | ; ! ! | ; |
| | SUBSOILS WITH MORE GRAVEL- | | Unranked | | | i i | | i ! | |
| 121: WYKEHAM FINE SANDY LOAM | | 90 | No | | | | | | 7,420 |
| | EGGLAKE AND SIMILAR SOILS | 3 | Yes | | 2B3 | | NO | NO | |
| | BEMIDJI AND SIMILAR SOILS | 2 | No | | | | | ; ! ! | ; |
| | SNELLMAN AND SIMILAR SOILS | 2 | No | | | i | | i | ; |
| 125: BELTRAMI LOAM | BELTRAMI | 90 | No | i I I | | i i | | i i | 11,908 |
| | NEBISH AND SIMILAR SOILS | | No | | | | | | |
| | TALMOON AND SIMILAR SOILS | 3 | Yes | | 2B3 | YES | NO | | |
| 133B: DALBO SILT LOAM, 2 TO 8 PERCENT SLOPES | | | No | | | | | | 118 |
| | WILLOSIPPI AND SIMILAR SOILS | i 3 | Yes | Flats | 2B3 | YES | NO | i NO | i |
| | BAUDETTE AND SIMILAR SOILS | 2 | No | | | | | i | i |
| | LENGBY AND SIMILAR SOILS | 2 | No | | | i | | i | ; |
| | LESSER OR GREATER SLOPES | | Unranked | i I I | | i i | | i | ; |
| 133C: DALBO SILT LOAM, 8 TO 15 PERCENT SLOPES | DALBO | 90 | No | | | i i | | ; ! ! | ; 75 |
| | WILLOSIPPI AND SIMILAR SOILS | 3 | Yes | Drainageways | 2B3 | YES | NO | NO | |
| | BAUDETTE AND SIMILAR SOILS | | No | | | | | | |
| | LENGBY AND SIMILAR SOILS | | No | | | | | | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | |
| 133E: DALBO SILT LOAM, 15 TO 30 PERCENT SLOPES | | 90 | i No | | | | | | ; 7 |
| | WILLOSIPPI AND SIMILAR SOILS | 3 | Yes | Drainageways | 2B3 | YES | NO | I I I NO | |
| | BAUDETTE AND SIMILAR SOILS | 2 | No | | | | | | |

| Map unit symbol and | |] | | | HYDRIC SOIL CRITERIA * | | | | | |
|--|--|----------------------------|-------------------------|---------------------|----------------------------|------------------------------------|-------------------------------|--------------------------------------|-----------------------------|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | Mapunit acres | |
| | LENGBY AND SIMILAR SOILS | 2 | No | | | | | | | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | | |
| 167A: | | | | | | | | | 774 | |
| | BAUDETTE DEBS AND SIMILAR | | No | | | | | | | |
| | SOILS WILLOSIPPI AND SIMILAR | | No | | | | | | | |
| 4.60- | SOILS |] 3 | Yes | Flats | 2B3 | YES | NO | l no | | |
| 169B: BRAHAM LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES | | 90 | No | | | | | | 4,026 | |
| | KRATKA AND SIMILAR | | | 77-6- | ana | | NO. | NO | i ! ! | |
| | SOILS BEMIDJI AND SIMILAR |] 3 | Yes | Flats | 2B3 | YES | NO | i I I | | |
| | SOILS LESSER OR GREATER | 2 | No | | | | | | | |
| 169C: BRAHAM LOAMY FINE | SLOPES | 2 | Unranked | | | | | | 1,250 | |
| SAND, 8 TO 15 PERCENT | BRAHAM | 90 | No | | | i i | | : | i ! | |
| | KRATKA AND SIMILAR SOILS | 3 | Yes | Drainageways | 2В3 | YES | NO | I I I NO | | |
| | BEMIDJI AND SIMILAR SOILS | 2 | No | | | | | | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | | |
| 169E: BRAHAM LOAMY FINE SAND, 15 TO 30 PERCENT SLOPES | | 90 | No | | | | | | 102 | |
| | KRATKA AND SIMILAR SOILS | 3 | Yes | | 2B3 | | NO | | | |
| | BEMIDJI AND SIMILAR SOILS | 2 | No | | | | | | | |
| 180: | | | | | | į | | i ! | i 8,681 | |
| | GONVICK ROLISS AND SIMILAR | 90 | No | | | | | | | |
| | SOILS SMILEY AND SIMILAR | 3 | Yes | Flats | 2B3 | YES | NO | NO | | |
| 205: | SOILS | 3 | Yes | Flats | 2B3 | YES | NO | NO | ; 7,967 | |
| | KARLSTAD SAHKAHTAY AND | İ | No | | | | | | | |
| | SIMILAR SOILS SUGARBUSH AND | ĺ | Yes | Flats | 2В3 | YES | ио | NO | | |
| | SIMILAR SOILS | ĺ | No | | | | | | | |
| 258B: SANDBERG LOAMY SAND, 1 TO 6 PERCENT SLOPES | - SANDBERG | 90 | No | | | | | | 986 | |
| | HANGAARD AND SIMILAR SOILS | 3 | Yes | | 2B3 | YES | NO | I NO | i | |

| Map unit symbol and | | <u> </u> | | | | HYDRIC S | SOIL CRITER | IA * | |
|---|---|----------------------------|-------------------------|-------------------------------------|----------------------------|---------------------------------------|-------------------------------|--------------------------------------|-----------------------------|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | Mapunit acres |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | |
| | SAHKAHTAY AND SIMILAR SOILS | 2 | Yes | Flats | 2B3 | YES | NO | NO | |
| 267B: SNELLMAN SANDY LOAM, 2 | ! ! | | | | | | | | 18,537 |
| TO 8 PERCENT SLOPES | SNELLMAN EGGLAKE AND | 90 | No | | | | | | i ! |
| | SIMILAR SLOPES | 3 | Yes | Depressions | 2В3 | YES | NO | NO | i ! |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | ! |
| | WYKEHAM AND SIMILAR SOILS | 2 | No | | | | | | |
| 267C: SNELLMAN SANDY LOAM, 8 | | | i ! ! | i i I I | | | | i I I | 5,921 |
| | SNELLMAN EGGLAKE AND SIMILAR | 90 - | No | | | | | | |
| | SIMILAR SOILS LESSER OR | 3 | Yes | Drainageways | 2B3 | YES | NO | NO | |
| | GREATER SLOPES | 2 | Unranked | i i I I | | i i | | i I I | i ! ! |
| | WYKEHAM AND SIMILAR SOILS | 2 | No | | | | | | ! ! |
| 267E: SNELLMAN SANDY LOAM, 15 TO 30 PERCENT | | | | | | | | | 1,777 |
| SLOPES | SNELLMAN EGGLAKE AND | 90 | No | | | | | | i ! |
| | SIMILAR SLOPES |] 3 | Yes | Drainageways | 2В3 | YES | NO | I I NO I | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | |
| 272: BEMIDJI LOAMY SAND | BEMIDJI | 90 | No | | | | | | 1,888 |
| | BRAHAM AND SIMILAR SOILS |) 3 | No | | | | | | |
| | EGGLAKE AND SIMILAR SOILS | 3 | Yes | | 2B3 | | NO | | |
| 346: TALMOON LOAM | TALMOON | 90 | Yes | | 2B3 | YES | NO | l I I NO | i 3,341 |
| | HAMRE AND SIMILAR SOILS | 3 | Yes | | 3,2B3 | | NO | YES | |
| | BELTRAMI AND SIMILAR | | i ! ! | | | | | i I I | |
| | SOILS CATHRO AND SIMILAR | 2 | No | | | | | | |
| 426: | SOILS | 2 | Yes | Depressions | 3,1 | YES | NO | YES - | 734 |
| | FOLDAHL | 90 | No | | | | | | |
| | KRATKA AND SIMILAR SOILS |] 3 | Yes | Flats | 2В3 | I I I I I I I I I I I I I I I I I I I | NO | I I I NO | |
| | BRAHAM AND SIMILAR SOILS | 2 | No | | | i i | | | |
| | STRATHCONA AND SIMILAR SOILS | | Yes | | 2B3 | | NO | NO | |

| Map unit symbol and | | | I I | I | | HYDRIC SOIL CRITERIA * | | | | | |
|---|---|----------------------|-------------------------|-------------------------------------|----------------------------|--|------------|--------------------------------------|-----------------------------|--|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapunit acres | | |
| 435: SYRENE SANDY LOAM | | 90 | Yes | | 2B3 | YES | NO | NO | 974 | | |
| | DEERWOOD AND SIMILAR SOILS | 3 | Yes | | 2B3,3 | YES | NO | YES | | | |
| | NORTHWOOD AND SIMILAR SOILS | 2 | Yes | | 2B3,3 | | NO | YES | | | |
| | RADIUM AND SIMILAR SOILS | 2 | No | | | | | | | | |
| | ROSEWOOD AND SIMILAR | | i ! ! | | | | *** | | i ! ! | | |
| 439: STRATHCONA FINE SANDY | SOILS | 2 | Yes | Flats | 2B3 | YES | NO | NO | 4,317 | | |
| LOAM | STRATHCONA NORTHWOOD AND | 90 | Yes | Flats | 2B3 | YES | NO | i no I I | <u> </u> | | |
| | SIMILAR SOILS FOLDAHL AND | 4 | Yes | Depressions | 3,2B3 | YES | NO | YES | | | |
| | SIMILAR SOILS ROLISS AND | 2 | No | | | | | | | | |
| | SIMILAR SOILS | 2 | Yes | | 2B3 | YES | NO | I NO | | | |
| 481: KRATKA FINE SANDY LOAM | KRATKA NORTHWOOD AND | 90 | Yes | Flats | 2B3 | YES | NO | NO | 4,489 | | |
| | SIMILAR SOILS | 3 | Yes | | 2B3,3 | YES | NO | YES | | | |
| 496B: ANDRUSIA LOAMY SAND, 1 TO 6 PERCENT SLOPES | | 90 | No | | | | | | 2,994 | | |
| | SAHKAHTAY AND SIMILAR SOILS | 3 | Yes | | 2в3 | YES | NO | NO | | | |
| | KARLSTAD AND SIMILAR SOILS | 2 | No | | | | | | | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | | | |
| 496C: ANDRUSIA LOAMY SAND, 6 TO 12 PERCENT SLOPES | | 90 | No | | | | | | 317 | | |
| | SAHKAHTAY AND SIMILAR SOILS | | Yes | | 2B3 | | NO | | | | |
| | KARLSTAD AND SIMILAR SOILS | 2 | No | | | | | | | | |
| | LESSER OR GREATER | | i ! ! | i i I I | | i ! ! | - | i I I | | | |
| 505B: DEBS SILT LOAM, 2 TO 8 | SLOPES | 2 | Unranked | | | | | | 1,239 | | |
| EBS SILT LOAM, 2 TO 8 PERCENT SLOPES C | DEBS WILLOSIPPI | 90 | No | i i | | i | | i ! ! | į | | |
| | AND SIMILAR SOILS BAUDETTE AND | 3 | Yes | Flats | 2B3 | YES | NO | NO | | | |
| | SIMILAR SOILS LESSER OR | 2 | No | i i | | | | | | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | ! ! ! | | | |

| Map unit symbol and | İ | | İ I | | HYDRIC SOIL CRITERIA * | | | | | |
|--|--|--------------------------------------|----------------------|-----------------------------------|----------------------------|------------------------------------|---------------|----------------------------------|------------------------|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapunit acres | |
| 505C: | i | i I | i | i | | -i | | i | i 509 | |
| DEBS SILT LOAM, 8 TO 15 PERCENT SLOPES | DEBS | 90 | No | i I I | | i | | | i | |
| | WILLOSSIPPI AND SIMILAR | I I | į | i I | i | i | i | i I | į i | |
| | SOILS | 3 | Yes | Drainageways | 2B3 | YES | NO | NO | 1 | |
| | BAUDETTE AND SIMILAR SOILS | | No | | | | | | | |
| | LESSER OR GREATER SLOPES | i I I 2 | Unranked | i I I | | i | | i ! ! | i | |
| 505E: | | | | | <u> </u> | | <u> </u> | | 1 161 | |
| DEBS SILT LOAM, 15 TO 30 PER ENT SLOPES | DEBS | 90 | No | | | | | | | |
| | WILLOSSIPPI AND SIMILAR | | į | | | | | | | |
| | SOILS | ; ; 3 ! | Yes | Drainageways | 2B3 | YES | NO | NO NO | į Į | |
| | SIMILAR SOILS | | No | | | | | | | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | | |
| 540: SEELYEVILLE MUCK | SEELYEVILLE | 90 | Yes | Depressions | 1,3 | YES | NO | YES | 12,810 | |
| | BERNER AND SIMILAR SOILS | 3 | Yes | Depressions | 3,1 | YES | NO | Yes | | |
| | CATHRO AND SIMILAR SOILS | 3 | Yes | Depressions | 1,3 | | NO | YES | | |
| | MARKEY AND SIMILAR SOILS | | Yes | Depressions | 1,3 | YES | NO | YES | | |
| 543: | i I | | 1 | I I | | İ | | 125 | ; 6,158 | |
| MARKEY MUCK | MARKEY BERNER AND | 90 | Yes | Depressions | 1,3 | YES | NO | YES | | |
| | SIMILAR SOILS | 2 | Yes | Depressions | 3,1 | YES | NO | YES | ¦ ! | |
| | CATHRO AND SIMILAR SOILS | | Yes | Depressions | 3,1 | I I YES | NO | YES | | |
| | DEERWOOD AND SIMILAR SOILS | | Yes | Depressions | 2B3,3 | YES | NO | YES | | |
| | SEELYEVILLE AND SIMILAR SOILS | | Yes | Depressions | 3,1 | | NO | YES | | |
| 544: | | ! | 1 | Depressions |) | 125 | | 125 | 17,005 | |
| CATHRO MUCK | CATHRO BERNER AND | 90 | Yes | Depressions | 1,3 | YES | NO I | YES | | |
| | SIMILAR SOILS | 2 | Yes | Depressions | 3,1 | YES | NO | YES | i ! ! | |
| | HAMRE AND SIMILAR SOILS | | Yes | Depressions | 3,2B3 | YES | NO | YES | | |
| | MARKEY AND SIMILAR SOILS | 2 | Yes | Depressions | 1,3 | YES | NO | Yes | | |
| | SEELYEVILLE AND SIMILAR | | | | | | | | | |
| 547: | SOILS | 2 | Yes | Depressions | 3,2B3,1 | YES | NO | YES | 1,416 | |
| DEERWOOD MUCK | DEERWOOD MARKEY AND | 90 | Yes | Depressions | 2B3,3 | YES | NO | YES | | |
| | SIMILAR SOILS | ĺ | Yes | Depressions | 3,1 | YES | NO | YES | | |
| | NORTHWOOD AND SIMILAR SOILS | ĺ | Yes | Depressions | 2B3,3 | YES | l I NO | YES | | |

| Map unit symbol and | | | | | HYDRIC SOIL CRITERIA * | | | | | |
|-------------------------------|--|---------------------------------|-------------------------|--------------------------------------|----------------------------|--|----|--------------------------------------|-----------------------|--|
| map unit name | Component - | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapuni acres | |
| | ROSCOMMON AND SIMILAR SOILS | ĺ | Yes | | 2B2 | | NO | NO | | |
| | ROSEWOOD AND SIMILAR SOILS | 2 | Yes | Flats | 2B3 | YES | NO | NO | | |
| 561: BULLWINKLE MUCK | BULLWINKLE | 90 | Yes | | 1,3 | YES | NO | YES | i 4,39 | |
| | CATHRO AND SIMILAR SOILS | | Yes | | 3,1 | | NO | YES | | |
| | HAMRE AND SIMILAR SOILS | 2 | Yes | | 3,2B3 | YES | NO | YES | | |
| | LUPTON AND SIMILAR SOILS | 2 | Yes | Depressions | 1,3 | YES | NO | YES | | |
| 563: NORTHWOOD MUCK | NORTHWOOD | 90 | Yes | Depressions | 2B3,3 | YES | NO | YES | 3,52 | |
| | BERNER AND SIMILAR SOILS | 2 | Yes | Depressions | 3,1 | YES | NO | YES | | |
| | CATHRO AND SIMILAR SOILS | | Yes | | 3,1 | YES | NO | YES | | |
| | KRATKA AND SIMILAR SOILS | | Yes | | 2B3 | YES | NO | NO | | |
| | STRATHCONA AND SIMILAR SOILS | | Yes | | 2B3 | YES | NO | | | |
| 564: FRIENDSHIP LOAMY SAND | FRIENDSHIP ROSCOMMON AND | ĺ | No | | | | | | 1,5: | |
| | SIMILAR SOILS GRAYCALM AND | 4 | Yes | | 2B2 | YES | NO | NO | | |
| | SIMILAR SOILS KARLSTAD AND | 2 | No | | | | | | | |
| 565: | SIMILAR SOILS | 2 | No | i i | | i | | i | 4,4 | |
| ECKVOLL LOAMY FINE SAND | ECKVOLL KRATKA AND | 90 | No | i i | | i | | : | , | |
| | SIMILAR SOILS BRAHAM AND | 4 | Yes | Flats | 2В3 | YES | NO | I I NO I | | |
| | SIMILAR SOILS | 2 | No | i i | | i | | ; | | |
| 82: ROLISS LOAM | ROLISS GONVICK AND | 90 | Yes | Flats | 2B3 | YES | NO | I I NO I | 13,1 | |
| | SIMILAR SOILS HAMRE AND | 2 | No | | | | | | | |
| | SIMILAR SOILS KRATKA AND | 2 | Yes | Depressions | 3,2B3 | YES | NO | YES | | |
| | SIMILAR SOILS REINER AND | | Yes | Flats | 2B3 | YES | NO | NO | | |
| | SIMILAR SOILS | | | | | | | | | |
| | STRATHCONA AND SIMILAR SOILS | | Yes | | 2B3 | YES | NO | NO | | |

| Map unit symbol and | | i I | İ | į | | HYDRIC SOIL CRITERIA * | | | | | |
|---|--|--------------------------------------|-------------------------|----------------------------------|----------------------------|---------------------------------------|-------------------------------|----------------------------------|-----------------------|--|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | Mapuni acres | | |
| 607 : | i ———— I | i I | i | ii | | ii | | i I | i 1 1,29 | | |
| PENGILLY VERY FINE SANDY LOAM, FREQUENTLY FLOODED | PENGILLY | 90 | Yes | Flats on flood | 2B3,4 | | YES | l I I NO | i ' ! ! | | |
| | LAMOURE AND SIMILAR | | | plains | | | | ! ! ! | | | |
| | SOILS CATHRO AND | 4 | No | i i | | i i | | ; | į | | |
| | SIMILAR SOILS | 2 | Yes | Depressions | 1,3 | YES | NO | YES | i | | |
| | DEERWOOD AND SIMILAR SOILS | | Yes | | 3,2B3 | YES | NO | YES | | | |
| | SOILS WITH SURFACE CARBONATES | 2 | Unranked | | | | | ! | | | |
| 627 : | | i | i I | i i | | i i | | i I | i 1,89 | | |
| TAWAS MUCK | TAWAS | 90 | Yes | Depressions | 1,3 | YES | NO | YES | | | |
| | BULLWINKLE AND SIMILAR SOILS | | Yes | Depressions | 1,3 | YES | NO | YES | | | |
| | CATHRO AND SIMILAR SOILS | 2 | Yes | Depressions | 3,1 | YES | NO | YES | i | | |
| | DEERWOOD AND SIMILAR SOILS | | Yes | | 3,2B3 | | NO | YES | | | |
| | MARKEY AND SIMILAR | | | | | | NO | | | | |
| | SOILS SEELYEVILLE | 2 | Yes | Depressions | 1,3 | YES | NO | YES | | | |
| | AND SIMILAR SOILS | 2 | Yes | Depressions | 1,2B3,3 | YES | NO | I YES | | | |
| 650: REINER FINE SANDY LOAM | REINER | i I 90 I | No | i i I I | | i i | | i I I | ; 53 | | |
| | SMILEY AND SIMILAR SOILS | 3 | Yes | | 2В3 | | NO | NO | | | |
| | KRATKA AND SIMILAR SOILS | 2 | Yes | | 2B3 | YES | NO | i NO | | | |
| | ROLISS AND SIMILAR | | | | 072 | | | | | | |
| 672 : | SOILS | 2 | Yes | Flats | 2B3 | YES | NO NO | NO | 3,72 | | |
| WILLOSIPPI LOAM | WILLOSIPPI HAMRE AND | 90 | Yes | Flats | 2В3 | YES | NO | NO | | | |
| | SIMILAR SOILS | 2 | Yes | Depressions | 3,2B3 | YES | NO | YES | | | |
| | SOILS WITH SANDY SUBSTRATUMS- | 2 | Unranked | | | | | | | | |
| | SOILS WITH SURFACE CARBONATES | 2 | Unranked | ; | | | | ; ! ! | ; | | |
| | SOILS WITH TILL | | | | | | | | | | |
| | SUBSTRATUMS- ZERKEL AND | 2 | Unranked | | | | | ! | | | |
| 709B: | SIMILAR SOILS | 2 | No | | | | | | 10,50 | | |
| LENGBY FINE SANDY LOAM, 2 TO 8 PERCENT | LENGBY | 90 | No | | | | | | 10,50 | | |
| | WILLOSIPPI AND SIMILAR | i I I | | i i I I | | | | i I I | | | |
| | SOILS LESSER OR | і 3 І ! | Yes | Flats | 2B3 | YES | NO | i no I I | | | |
| | GREATER SLOPES | 2 | Unranked | | | | | | I | | |

| | | | | | | HYDRIC S | SOIL CRITER | | |
|--|---|--------------------------------------|-----------------------------|-----------------------------------|--------------------------------|-------------------------------------|-------------------------------|--------------------|-----------------------------|
| Map unit symbol and map unit name - | Component | Component percent | Hydric Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | | Mapunit acres |
| | SUGARBUSH AND SIMILAR SOILS | ĺ | I I I No | | | | | | 4,639 |
| LENGBY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES | LENGBY | 90 | No | | | | | | |
| | WILLOSIPPI AND SIMILAR SOILS | | Yes | Drainageways | 2B3 | | NO | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | |
| | SUGARBUSH AND SIMILAR SOILS | ĺ | No | | | | | i | : |
| 709E: LENGBY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES | LENGBY | | No | | | | | | 1,778 |
| | WILLOSIPPI AND SIMILAR SOILS | | Yes | Drainageways | 2B3 | | NO | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | |
| | SUGARBUSH AND SIMILAR SOILS | ĺ | No | | | | | i ! ! | ; ! ! |
| 712: ROSEWOOD FINE SANDY LOAM | ROSEWOOD | 90 | Yes | Flats | 2B3 | YES | NO | l NO | 1,327 |
| | DEERWOOD AND SIMILAR SOILS | | Yes | Depression | | YES | NO | YES | |
| | STRATHCONA AND SIMILAR SOILS | | Yes | Flats | 2B3 | YES | NO | NO | |
| - | RADIUM AND SIMILAR SOILS | | No | | | | | | 717 |
| 713: LINVELDT FINE SANDY LOAM | | 90 | No | | | | | | '1' |
| ; | SIMILAR SOILS ECKVOLL AND |) 3 | Yes | Flats | 2B3 | YES | NO | I I NO I | : |
| | SIMILAR SOILS RADIUM AND | 2 | No | | | | | | |
| | SIMILAR SOILS | 2 | No | | | | | | 22,926 |
| NAYTAHWAUSH LOAM, 2 TO 8 PERCENT SLOPES - | NAYTAHWAUSH AUGANAUSH AND | İ | No | | | | | | |
| | SIMILAR SOILS LESSER OR | 3 | Yes | Flats | 2B3 | YES | NO | I I NO I | |
| | GREATER SLOPES MAHKONCE AND | 2 | Unranked | | | | | | |
| - - 718C: NAYTAHWAUSH LOAM, 8 TO | SIMILAR SOILS | 2 | No No | | | | | | 20,184 |
| NAYTAHWAUSH LOAM, 8 TO 15 PERCENT SLOPES | NAYTAHWAUSH AUGANAUSH AND | 90 | No | | | | | | |
| | SIMILAR SOILS LESSER OR | 3 | Yes | Drainageways | 2B3 | YES | NO | NO NO | |
| | GREATER SLOPES | 2 | Unranked | | | | | | |

| | 1 | | l | | | HYDRIC S | SOIL CRITER | IA * | |
|---|--|--------------------------------------|-------------------------|------------------------------------|----------------------------|------------------------------------|-------------------------------|----------------------------------|------------------------|
| Map unit symbol and map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | Mapunit acres |
| | MAHKONCE AND SIMILAR SOILS | | No | | | | | | ; |
| 718E: NAYTAHWAUSH LOAM, 15 TO 30 PERCENT SLOPES | NAYTAHWAUSH | 90 | No | | | | | | 3,731 |
| | AUGANAUSH AND SIMILAR SOILS | İ | Yes | | 2B3 | | NO | | |
| | LESSER OR GREATER | | Unranked | | | | | | i ! |
| | SLOPES MAHKONCE AND SIMILAR | | i ! ! | i I I I I | | | | ; ! ! | |
| 733: BERNER MUCK | SOILS BERNER | | No Yes | | 1,3 | | NO | YES | 2,780 |
| BERNER MOCK | HAMRE AND SIMILAR | | i ! ! | - | | | | i I I | |
| | SOILS MARKEY AND SIMILAR | 2 | Yes | Depressions | 3,2B3 | YES | NO | YES | |
| | SOILS NORTHWOOD AND | 2 | Yes | Depressions | 1,3 | YES | NO | YES | |
| | SIMILAR SOILS SEELYEVILLE | 2 | Yes | Depressions | 2B3,3 | YES | NO | YES | |
| | AND SIMILAR SOILS | | Yes | Depressions | 3,2B3,1 | YES | NO | YES | |
| 737: MAHKONCE LOAM | MAHKONCE AUGANAUSH AND | ĺ | No No | | | | | | 11,688 |
| | SIMILAR SOILS HAMRE AND | 3 | Yes | | 2В3 | YES | NO | NO | |
| | SIMILAR SOILS | 2 | Yes | | 3,2B3 | YES | NO | YES | |
| | NAYTAHWAUSH AND SIMILAR SOILS | | No | | | | | | |
| 746: HASLIE MUCK | HASLIE BERNER AND | 90 | Yes | Depressions | 3,1 | YES | NO | YES | 7,593 |
| | SIMILAR SOILS | 2 | Yes | | 3,1 | YES | NO | YES | |
| | CATHRO AND SIMILAR SOILS | | Yes | | 1,3 | YES | NO | YES | |
| | MARKEY AND SIMILAR SOILS | 2 | Yes | Depressions | 1,3 | YES | NO | | |
| | SEELYEVILLE AND SIMILAR SOILS | | Yes | Depressions | 3,2B3,1 | YES | NO | | |
| 765: SMILEY LOAM | SMILEY | 90 | Yes | | 2B3 | | NO | NO | 6,334 |
| | GONVICK AND SIMILAR SOILS | | No | | | | | | |
| | HAMRE AND SIMILAR SOILS | 2 | Yes | | 3,2B3 | | NO | YES | |
| | KRATKA AND SIMILAR SOILS | 2 | Yes | | 2B3 | | NO | NO | |
| | REINER AND SIMILAR | | | | | | | | |
| | SOILS SOILS WITH SURFACE | 2 | No | | | | | | |
| - | CARBONATES | 2 2 | Unranked | i i | | i i | | i | i I |

| Map unit symbol and | | | I I | | | HYDRIC S | SOIL CRITER | IA * | |
|---|---|----------------------------|-------------------------|----------------------------|----------------------------|--|-------------------------------|--------------------------------------|------------------------|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | Mapunit acres |
| 767: AUGANAUSH LOAM | AUGANAUSH | | Yes | | 2в3 | | NO | | 4,243 |
| | HAMRE AND SIMILAR SOILS | 2 | Yes | Depressions | 2B3,3 | YES | NO | YES | |
| | MAHKONCE AND SIMILAR | ! ! ! | | ! ! ! ! ! ! | | | | ! | |
| | SOILS SOILS WITH SURFACE | 2 | No | | | | | | |
| | CARBONATES | 2 | Unranked | | | | | ; | |
| | VERY STONY SURFACES | 2 | Unranked | | | | | | |
| | TALMOON AND SIMILAR SOILS | | Yes | Flats | 2В3 | YES | NO | I NO | |
| 775B: SUGARBUSH-TWO INLETS COMPLEX, 1 TO 8 | i | ; ! ! | i ! ! | i i I I | | | | ; ! ! | 5,086 |
| PERCENT SLOPES | SUGARBUSH | İ | No | | | | | | |
| | TWO INLETS | 35 I | No | i i I I | | | | i I | |
| | SAHKAHTAY AND SIMILAR SOILS | İ | Yes | | 2В3 | | NO | i NO | i |
| | KARLSTAD AND SIMILAR SOILS | 2 | No | | | | | | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | |
| 775C: SUGARBUSH-TWO INLETS COMPLEX, 8 TO 15 | | | | | | | | | 4,932 |
| PERCENT SLOPES | SUGARBUSH | 50 | No | | | | | | 1 |
| | TWO INLETS | İ | No | i i I I | | i | | | |
| | SIMILAR SOILS | İ | Yes | Drainageways | 2B3 | YES | NO | NO | |
| | KARLSTAD AND SIMILAR SOILS | | No | | | | | | |
| | LESSER OR GREATER SLOPES | | Unranked | | | i | | i ! ! | i ! ! |
| 776B: SNELLMAN-SUGARBUSH COMPLEX, 2 TO 8 | | ! ! ! | | | | | | ! | 4,571 |
| PERCENT SLOPES | SNELLMAN | i 60 | l No | i i | | i | | i | İ |
| | SUGARBUSH | 30 | No | i i | | i | | i i | i |
| | DEBS AND SIIMILAR SOILS | | No | | | | | | - - |
| | EGGLAKE AND SIMILAR SOILS | 2 | Yes | | 2B3 | YES | NO | NO | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | |
| | WILLOSIPPI AND SIMILAR | i I I | | | | | | ; | i ! ! |
| 776C: SNELLMAN-SUGARBUSH | SOILS | 2 | Yes | Flats | 2B3 | YES | NO | NO | 10,095 |
| COMPLEX, 8 TO 15 PERCENT SLOPES | SNELLMAN | i I 60 | No | i i | | i | | i ! | ! |
| | SUGARBUSH | 30 | No | | | | | | |
| | DEBS AND SIMILAR SOILS | 2 | No | ; ; ; | | | | | i |

| Map unit symbol and | | | i | | | HYDRIC SOIL CRITERIA * | | | | | |
|--|---|--------------------------------------|----------------------------|--|----------------------------|------------------------------------|-------|--------------------------------------|-----------------------------|--|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapunit acres | | |
| | EGGLAKE AND SIMILAR SOILS | 2 | Yes | | 2B3 | | NO | I I I NO | | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | i i I I | | i i | | i I I | | | |
| | WILLOSIPPI AND SIMILAR SOILS | | Yes | | 2В3 | | NO | | | | |
| 776E: SNELLMAN-SUGARBUSH COMPLEX, 15 TO 30 PERCENT SLOPES | SNELLMAN | | No | | | | | | 9,449 | | |
| | SUGARBUSH DEBS AND | 35 | No | | | | | | | | |
| | SIMILAR SOILS EGGLAKE AND | 2 | No | | | | | | | | |
| | SIMILAR SOILS | 2 | Yes | Drainageways | 2В3 | YES | NO | I I NO | | | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | | | |
| | WILLOSIPPI AND SIMILAR SOILS | | Yes | | 2B3 | | NO | | | | |
| 776F: SNELLMAN-SUGARBUSH COMPLEX, 30 TO 45 | | | | | | | | | 591 | | |
| PERCENT SLOPES | SNELLMAN | ĺ | No | | | | | | | | |
| | SUGARBUSH DEBS AND SIMILAR | | No | | | | | | | | |
| | SOILS EGGLAKE AND SIMILAR | 2 | No | | | | | | | | |
| | SLOPES LESSER OR GREATER | 2 | Yes | Drainageways | 2B3 | YES | NO | NO | | | |
| | SLOPES WILLOSIPPI AND SIMILAR | | Unranked | i i I I | | | | | | | |
| 797: MOOSELAKE AND LUPTON | SLOPES | 2 | Yes | Drainageways | 2B3 | YES | NO NO | NO | 24,701 | | |
| SOILS | LUPTON | 45 | Yes | Depressions | 1,3 | YES | NO | YES | į | | |
| | MOOSELAKE BULLWINKLE | 45 | Yes | Depressions | 1,3 | YES | NO | ' YES | i i i | | |
| | AND SIMILAR SOILS CATHRO AND | | Yes | Depressions | 1,3 | YES | NO | YES | | | |
| | SIMILAR SOILS | | Yes | | 1,3 | YES | NO | YES | | | |
| | MARKEY AND SIMILAR SOILS | | Yes | Depressions | 1,3 | | NO | YES | | | |
| | SEELYEVILLE AND SIMILAR SOILS | 2 | Yes | | 1,2B3,3 | | NO | YES | | | |
| 799: SEELYEVILLE AND BOWSTRING SOILS, FREQUENTLY FLOODED | TAWAS AND SIMILAR SOILS | 2 | Yes | Depressions | 1,3 | | NO | YES | | | |
| | BOWSTRING | 45 | Yes | Depressions on | 1,3,4 | YES | YES | YES | 174 | | |
| | SEELYEVILLE | 45 | Yes | flood plains Depressions on | 1,3,4 | YES | YES | YES | | | |
| | CATHRO AND SIMILAR | | | flood plains | | | | | | | |
| | SOILS | j 3 | Yes | Depressions | 3,1 | YES | NO | YES | | | |

| Map unit symbol and | | | į | į | | HYDRIC S | SOIL CRITER | IA * | |
|--|---|--------------------------------------|--------------------------|-------------------------------------|----------------------------|-------------------------------------|-------------|----------------------------------|------------------------|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapunit acres |
| | MARKEY AND SIMILAR SOILS | 3 | Yes | | 3,1 | YES | NO | I I I YES | |
| 867B: GRAYCALM-MENAHGA COMPLEX, 1 TO 8 | | | | | | | | | 3,112 |
| PERCENT SLOPES | GRAYCALM | ĺ | No | | | | | | |
| | MENAHGA ROSCOMMON AND SIMILAR | İ | No | | | | | | |
| | SOILS ANDRUSIA AND SIMILAR | 3 | Yes | Flats | 2B2 | YES | NO | NO | |
| | SOILS LESSER OR | 2 | No | | | | | | |
| 867C: | GREATER SLOPES | 2 | Unranked | | | | | | 1,876 |
| GRAYCALM-MENAHGA COMPLEX, 8 TO 15 PERCENT SLOPES | GRAYCALM | 60 | No | i i I i | | i i | | i ! ! | 1,076 |
| | MENAHGA | l 30 | No | | | | | | 1 |
| | ROSCOMMON AND SIMILAR SOILS | İ | Yes | | 2B2 | | NO | | |
| | ANDRUSIA AND SIMILAR SOILS | | No | | | | | ! ! ! ! | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | |
| 867E: GRAYCALM-MENAHGA COMPLEX, 15 TO 30 | | | | | | | | | 737 |
| PERCENT SLOPES | GRAYCALM | i 60 | No | i i | | | | i | 1 |
| | MENAHGA ROSCOMMON AND SIMILAR | ĺ | No | | | i i | | i I ! | |
| | SIMILAR SOILS ANDRUSIA AND | 3 | Yes | Drainageways | 2B2 | YES | NO | I NO | |
| | SIMILAR SOILS LESSER OR | 2 | No | | | | | | |
| 1000 | GREATER SLOPES | 2 | Unranked | | | i i | | i ! | |
| 1030: PITS, GRAVEL- UDIPSAMMENTS COMPLEX | | | Unranked | | | | | | 680 |
| | UDIPSAMMENTS- | 30 | Unranked | | | | | | 1 |
| | ANDRUSIA AND SIMILAR SOILS | 2 | No | | | i i | | i | i ! ! |
| | SAHKAHTAY AND SIMILAR SOILS | İ | Yes | | 2B3 | YES | NO | NO | |
| | SUGARBUSH AND SIMILAR SOILS | ĺ | No | | | | | | |
| | TWO INLETS AND SIMILAR SOILS | 2 | No | | | | | | |
| 1113: HASLIE, SEELYEVILLE, AND CATHRO SOILS, | | | | | | | | | 9,287 |
| PONDED | CATHRO | ; 30 | Yes | Depressions | 1,3 | YES | NO | YES | |
| | HASLIE | ; 30 | Yes | Depressions | 1,3 | YES | NO | YES | İ |
| | SEELYEVILLE BERNER AND SIMILAR | 30 | Yes | Depressions | 1,3 | YES | NO | YES | |
| | SOILS | 2 | Yes | Depressions | 1,3 | YES | NO | YES | į |

| Mapunit name | Man unit cumbal and | | | | | | HYDRIC S | SOIL CRITER | IA * | |
|---|---|-------------------------------|-----------------------|----------------------------|----------------------------------|----------|---------------------|-------------|---------------------|--|
| SIMILAN 2 Yes Depressions 3,283 YES NO YES | Map unit symbol and map unit name | Component | | Hydric | Local landform | criteria | saturation | flooding | ponding | |
| SIMILAN SOLIS | | SIMILAR | | Yes | | 3,2B3 | YES | NO | I I YES | i ———————————————————————————————————— |
| SINILAR SINILAR SOLIS Solis | | SIMILAR | | Yes | Depressions | 1,3 | | NO | | |
| 1147: WTH MARL | | SIMILAR | ĺ | Yes | | 3,2B3 | YES | NO | YES | |
| FORDUM, FAIRDALE AND LAMOURE SOLIS. FAIRDALE | | UNDERLAIN | 2 | Unranked | i | | | | i I I I | i |
| FORDUM 30 | FORDUM, FAIRDALE AND LAMOURE SOILS, | | | | | | | | | 2,315 |
| LAMOURE 30 Yes Flats on flood 2B3,4 YES YES NO NO NO NO NO NO NO N | 1 | ĺ | İ | i | i i | | i i | | İ | |
| SOMSTRING AND SIMILAR SOILS 3 Yes Depressions on 1,2B3,4 YES YES NO NO NO NO NO NO NO N | | FORDUM | 30 | Yes | | 2B3,4 | YES | YES | I NO | |
| SIMILIAR SOILS | | LAMOURE | 30 | Yes | | 2B3,4 | YES YES | YES | NO | |
| HAMRE AND SIMILAR SOLIS 3 Yes Depressions 3,283 YES NO YES | | SIMILAR | ĺ | Yes | | 1,2B3,4 | | YES | i I I NO | i |
| DEERWOOD AND SIMILAR SOILS 2 Yes Depressions 283,3 YES NO YES NORTHWOOD AND SIMILAR SOILS 2 Yes Depressions 3,283 YES NO YES 1152B: SUGARBUSH SUGARBUSH 90 No 1 TO 8 PERCENT SLOPES SUGARBUSH 90 No ANDRUSIA AND SIMILAR SOILS 2 No SARKAHTAY AND SIMILAR SOILS 2 Unranked SARKAHTAY AND SIMILAR SOILS 2 Yes Flats 283 YES NO NO TWO INLETS AND SIMILAR SOILS 2 Yes Flats 283 YES NO NO 1152C: SUGARBUSH SUGARBUSH 90 No SUGARBUSH LOAMY SAND, 8 TO 15 PERCENT SUGARBUSH 90 No ANDRUSIA AND SIMILAR SOILS 2 No SARKAHTAY AND SIMILAR SOILS 2 Unranked | | SIMILAR | | Yes | - | 3 2B3 | | NO | VFC | : |
| NORTHWOOD AND SIMILAR SOILS 2 Yes Depressions 3,283 YES NO YES | | DEERWOOD AND | | 163 | Deplessions | 3,253 | 125 | NO | 125 | |
| SIMILAR SOILS 2 Yes Depressions 3,2B3 YES NO YES 1152B: SUGARBUSH LOAMY SAND, 1 TO 8 PERCENT SLOPES SUGARBUSH 90 No ANDRUSIA AND SIMILAR SOILS 2 No SAHKAHTAY AND SIMILAR SOILS 2 Yes Flats 2B3 YES NO NO TWO INLETS AND SIMILAR SOILS 2 Yes Flats 2B3 YES NO NO TWO INLETS AND SIMILAR SOILS 2 No SLOPES SUGARBUSH LOAMY SAND, 8 TO 15 PERCENT SUGARBUSH LOAMY SAND, 8 TO 15 PERCENT SUGARBUSH LOAMY SAND, 8 TO 15 PERCENT SUGARBUSH SOILS 2 No LESSER OR GREATER SUGARBUSH SOILS 2 No LESSER OR GREATER SUGARBUSH SOILS 2 Unranked SAHKAHTAY AND SIMILAR SOILS 2 Unranked SAHKAHTAY AND SIMILAR SOILS 2 Unranked SAHKAHTAY AND SIMILAR SOILS 2 Unranked - | | İ | İ | Yes | Depressions | 2B3,3 | YES | NO | YES | |
| SUGARBUSH LOAMY SAND, | | SIMILAR | ĺ | Yes | Depressions | 3,2B3 | | NO | YES | |
| SIMILAR SOILS 2 No | SUGARBUSH LOAMY SAND, | | 90 | No | i ! ! ! | | i i | | | 18,717 |
| GREATER SLOPES 2 Unranked | | SIMILAR | | No | | | | | | |
| SIMILAR SOILS 2 Yes Flats 2B3 YES NO NO NO | | GREATER | | Unranked | | | | | | |
| AND SIMILAR | | SIMILAR | İ | Yes | | 2B3 | | NO | NO | |
| SUGARBUSH LOAMY SAND, | | AND SIMILAR | | No | | | | | | |
| SLOPES SUGARBUSH 90 No | SUGARBUSH LOAMY SAND, | | | | | | | | | 3,297 |
| SIMILAR | | SUGARBUSH | 90 | No | i i | | i i | | i I | i I |
| GREATER | | SIMILAR | | No | | | | | | |
| | | GREATER | 2 | Unranked | | | | | | |
| | | SIMILAR | İ | Yes | | 2B3 | | NO | I NO | |
| | | AND SIMILAR | | | | | | | | |

| i i | Component SUGARBUSH | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation | | Meets ponding | Mapunit |
|---|---|----------------------|-------------------------|-------------------------------|----------------------------|----------------------|-----------|---------------------|----------------------|
| SUGARBUSH LOAMY SAND, 15 TO 30 PERCENT SLOPES | İ | | i | 1 | code | criteria | criteria | criteria | 1 |
| İ | İ | | | | | | | i | 854 854 |
| | ANDRUSIA AND | 90 | No | | | | | | |
| i | SIMILAR SOILS | 2 | No | | | | | | |
| İ | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | |
| | SAHKAHTAY AND SIMILAR SOILS | 2 | Yes | Drainageways | 2B3 | YES | NO | NO | |
| | TWO INLETS AND SIMILAR SOILS | 2 | No | | | | | | |
| 1164: | | | |] | | | | | 7,412 |
| İ | ZERKEL WILLOSIPPI AND SIMILAR | 90 | No | | | | | | |
| | SOILS DEBS AND | 3 | Yes | Flats | 2B3 | YES | NO | NO I | |
| | SIMILAR SOILS | 2 | l I No | | | | | | |
| | LENGBY AND SIMILAR SOILS | 2 | No | | | | | | |
| 1166B: MOOSECREEK FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES | MOOSECREEK | 90 | No | i I I | | | | i | 4,385 |
| i | İ | | | <u> </u> | | į | | į | į |
| | SAHKAHTAY AND SIMILAR SOILS | 3 | Yes | | 2B3 | | NO | NO | |
| | SUGARBUSH AND SIMILAR SOILS | 2 | No | | | | | | |
| | ZERKEL AND SIMILAR SOILS | 2 | l No | i ! ! ! | | i i | | i I I | i I I |
| 1191: SAHKAHTAY SANDY LOAM | SAHKAHTAY | 90 | Yes | | 2B3 | YES | NO | l no | 2,332 |
| İ | DEERWOOD AND SIMILAR SOILS | 3 | Yes | | 3,2B3 | | NO | | i |
| i ! | KARLSTAD AND SIMILAR SOILS | | No | | | | | | |
| | NORTHWOOD AND | | NO | | | | | | |
| 1200: | SOILS | 2 | Yes | Depressions | 3,2B3 | YES | NO | YES | ; 5,003 |
| EGGLAKE LOAM | EGGLAKE | 90 | Yes | Flats | 2B3 | YES | NO | I NO | 0,000 |
| | SIMILAR SOILS | 3 | Yes | Depressions | 3,2B3 | YES | NO | YES | i ! ! |
| | NARY AND SIMILAR SOILS | 3 | l l l No | | | | | | |
| 1238E: TWO INLETS-SUGARBUSH COMPLEX, 15 TO 30 PERCENT SLOPES | | | | | | | | | 2,832 |
| | TWO INLETS | 55 | No | i i | | i i | | i I | |
| İ | SUGARBUSH | | No | i i | | i i | | i | <u>i</u> ! |
| | SAHKAHTAY AND SIMILAR SOILS | | Yes | | 2В3 | | NO | NO | |
| | KARLSTAD AND SIMILAR SOILS | 2 | No | | | | | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | |

| Map unit symbol and | | | | | HYDRIC SOIL CRITERIA * | | | | | |
|--|-----------------------------|----------------------------|----------------------|----------------------------|----------------------------|-------------------------------------|-------------------------------|----------------------------------|-----------------------|--|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | Mapuni acres | |
| 1238F: | i | | i | | | -¦ | | i | - 210 | |
| TWO INLETS-SUGARBUSH | į | i İ | į | į | | į | | İ | į | |
| COMPLEX, 30 TO 45 PERCENT SLOPES | TWO INLETS | I 55 | l No | | | | | | i | |
| | SUGARBUSH | l I 35 | No | | | | | l I | I I | |
| | SAHKAHTAY AND | İ | į | į į | | į | | İ | į | |
| | SIMILAR | ĺ | ! | _ | | | | ! ! | ļ | |
| | SOILS | 3 | Yes | Drainageways | 2B3 | YES | NO | I NO | | |
| | KARLSTAD AND SIMILAR |] | 1 | | | | | | 1 | |
| | SOILS | 2 | No | i i | | i i | | | į | |
| | LESSER OR | | į | | | į į | | <u>.</u> | į | |
| | GREATER SLOPES | 2 | Unranked | | | | | | | |
| 1244B: | | | 1 | | | | | | 10,881 | |
| SOL-SUGARBUSH COMPLEX, | | <u> </u> | į | į | | į į | | <u>.</u> | 1 10,001 | |
| 2 TO 8 PERCENT SLOPES, VERY STONY | SOL | l 65 | No | | | | | | ¦ | |
| | SUGARBUSH | l I 25 | No | | | | | | | |
| | İ | i | į | į | | į į | | į | į | |
| | EGGLAKE AND SIMILAR | l | | | | 1 | | I | ¦ | |
| | SOILS | 2 | Yes | Flats | 2B3 | YES | NO | l NO | I I | |
| | LENGBY AND SIMILAR | i I | į | į į | | į | | İ | į | |
| | SOILS | 1 2 | l No | | | | | <u> </u> | ļ | |
| | LESSER OR | | | | | | | | ¦ | |
| | GREATER SLOPES | 2 | Unranked | i i I I | | i i | | | İ | |
| | İ | - | | | | į į | | <u> </u> | į | |
| | WILLOSIPPI AND SIMILAR |] | | | | | | | | |
| | SOILS | 2 | Yes | Flats | 2B3 | YES | NO | I NO | | |
| 1244C: | į | ! | į | į | | į į | | į | 18,855 | |
| SOL-SUGARBUSH COMPLEX, 8 TO 15 PERCENT | İ | I | | ! ! ! | | ; | | ! | ¦ | |
| SLOPES, VERY STONY | SOL | 60 | No | | | | | | ¦ | |
| | SUGARBUSH | 30 | No | i i | | i i | | | İ | |
| | EGGLAKE AND | ! ! | į | | | į į | | <u> </u> | į | |
| | SIMILAR SOILS | l 2 | Yes | Drainageways | 2B3 | YES | NO | l I NO | | |
| | LENGBY AND | | 1 |] | | | | | | |
| | SIMILAR SOILS | i 2 | I No | i i I I | | i i | | i I | į | |
| | 1 | 2 | No | | | | | ! ! | ļ | |
| | LESSER OR GREATER | | | | | | | | | |
| | SLOPES | 2 | Unranked | | | | | | ! | |
| | WILLOSIPPI AND SIMILAR | i İ | į | į | | į | | İ | į | |
| | SOILS | 2 | Yes | Drainageways | 2B3 | YES | NO | I NO | ļ | |
| 1244E: | ! | | | | | | | | I I 5,670 | |
| SOL-SUGARBUSH COMPLEX, 15 TO 30 PERCENT | |] | | | | | | | 1 | |
| | SOL | 55 | No | i i | | į į | | i | į | |
| | SUGARBUSH | I 35 | No | | | i i | | | ¦ | |
| | EGGLAKE AND | | |] | | | | | | |
| | SIMILAR SOILS | 2 | Yes | Drainageways | 2B3 | YES | NO | l NO | İ | |
| | İ | 2 | l | Diainageways | 263 | l IES | NO | l NO | į | |
| | LENGBY AND SIMILAR | | | | | | | | | |
| | SOILS | 2 | No | | | | | | I I | |
| | LESSER OR | İ | į | į | | į į | | į | į | |
| | GREATER SLOPES | l 2 | Unranked | | | | | | į | |
| | WILLOSIPPI | | | | | | | | | |
| | AND SIMILAR SOILS | 2 | Yes | Drainageways | 2B3 | YES | NO | l I NO | I I | |
| 10447 | | į - | | | | 120 | | 40 | | |
| 1244F: SOL-SUGARBUSH COMPLEX, | ! | ! | I I | ı | | | | I | 244 | |
| 30 TO 45 PERCENT SLOPES, VERY STONY | SOL | l 55 | l No | i i I i | | | | i I | I I | |
| | İ | ĺ | Ì | | | į | | İ | į | |
| | SUGARBUSH | 35 | No | I I | | | | | 1 | |

| Map unit symbol and | į | | į | į į | | HYDRIC S | SOIL CRITER | IA * | |
|--|--|--------------------------------------|-------------------------|------------------------------------|----------------------------|---------------------------------------|-------------|--------------------------------------|-----------------------------|
| map unit name | Component | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | | Meets ponding criteria | Mapunit acres |
| | EGGLAKE AND SIMILAR SOILS | 2 | Yes | | 2B3 | | NO | I I I NO | |
| | LENGBY AND SIMILAR SOILS | 2 | No | | | | | | |
| | LESSER OR GREATER SLOPES | | Unranked | | | | | | |
| | WILLOSIPPI AND SIMILAR SOILS | | Yes | | 2B3 | | NO | | |
| 1272B: SOL FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES | | | No | | | | | | 18,904 |
| | EGGLAKE AND SIMILAR SOILS | 3 | Yes | | 2B3 | | NO | NO | |
| | BEMIDJI AND SIMILAR SOILS | 2 | No | | | | | | |
| | LESSER OR GREATER SLOPES | 2 | Unranked | | | | | | |
| 1272C: SOL FINE SANDY LOAM, 6 TO 12 PERCENT SLOPES | SOL | 90 | No | | | | | | 2,013 |
| | EGGLAKE AND SIMILAR SOILS | | Yes | Drainageways | 2B3 | | NO | NO | |
| | BEMIDJI AND SIMILAR SOILS | | No | | | | | | |
| | LESSER OR GREATER SLOPES | | Unranked | i | | | | ; | |
| 1294: NARY FINE SANDY LOAM | | - 90 | No | | | | | ; ! ! | 12,179 |
| | EGGLAKE AND SIMILAR SLOPES | 3 | Yes | | 2в3 | YES | NO | NO | |
| | BEMIDJI AND SIMILAR SOILS | | No | | | | | | |
| | ECKVOLL AND SIMILAR SOILS | 2 | No | | | | | | |
| | SOL AND SIMILAR SOILS | 2 | No | | | | | | |
| | BOWSTRING | 45 | Yes | Depressions on | 1,2B3,4 | YES | YES | NO | 17 |
| | FLUVAQUENTS | 45 | Yes | flood plains | 2B3,4 | | YES | NO | |
| | CATHRO AND SIMILAR SOILS | ; | Yes | | 3,1 | | NO | - - YES | |
| | LAMOURE AND SIMILAR SOILS | | No | | | | | | |
| | MARKEY AND SIMILAR SOILS | | Yes | | 1,3 | | NO | - YES | |
| | SEELYEVILLE AND SIMILAR SOILS | | Yes | | 3,2B3,1,4 | | YES | YES | |

| Map unit symbol and map unit name | | | | | | HYDRIC S | SOIL CRITER | IA * | |
|---|---|----------------------------|----------------------|-----------------------------|----------------------------|---------------------------------------|-------------------------------|--------------------------------------|------------------------|
| | | Component percent | Hydric | Local landform | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | Mapunit acres |
| 1808: | - i | | | i I | | - i i I I | | | 820 |
| MARKEY MUCK, PONDED | MARKEY | 90 | Yes | Depressions | 1,3 | YES | NO | YES | ! |
| | BERNER AND SIMILAR | | | | | | | ! ! | ! |
| | SOILS | 2 | Yes | Depressions | 1,3 | YES | NO | YES | ! |
| | CATHRO AND SIMILAR SOILS | | Yes | | 3,1 | | NO | YES | |
| | DEERWOOD AND SIMILAR SOILS | 2 | Yes | Depressions | 2B3,3 | | NO | YES | |
| | SEELYEVILLE | | | - | | | | | ! |
| | AND SIMILAR SOILS | 2 | Yes | Depressions | 4,3,1,2B3 | YES | YES | I YES | |
| | SOILS UNDERLAIN WITH MARL | | Unranked | | | | | | |
| 1874: RADIUM LOAMY SAND | RADIUM | 90 | No | | | i i | | | 1,743 |
| | HANGAARD AND SIMILAR SOILS | 3 | Yes | Flats | 2B3 | | NO | NO | |
| | FOLDAHL AND SIMILAR SOILS | | No | | | | | | ! |
| | SANDBERG AND | | NO | | | | | | <u> </u> |
| | SIMILAR SOILS | 2 | No | | | | | | |
| | SYRENE AND SIMILAR SOILS | 2 | Yes | | 2B3 | YES | NO | NO | |
| 1878: HAMRE MUCK | HAMRE | 90 | Yes | Depressions | 2B3,3 | | NO | YES | 1 4,794 |
| | CATHRO AND | ! ! | | | | | 2.0 | | į |
| | SIMILAR SOILS | 3 | Yes | Depressions | 3,1 | YES | NO | YES | |
| | NORTHWOOD AND SIMILAR SOILS | İ | Yes | Depressions | 2B3,3 | YES | NO | YES | |
| | ROLISS AND SIMILAR | | Yaa | | | | 270 | | |
| 1040 | SOILS | 2 | Yes | Flats | 2B3 | YES | NO | NO | 1 220 |
| 1943: ROSCOMMON LOAMY SAND | ROSCOMMON | I 90 | Yes | | 2B2 | YES | NO | I I NO I | 1,238 |
| | DEERWOOD AND SIMILAR SOILS | | Yes | Depressions | 3,2B3 | YES | NO | YES | i ! |
| | FRIENDSHIP AND SIMILAR | | | | | | | | |
| W: | SOILS | 3 | No | | | | | | 17,664 |
| WATER | WATER | 90 | Unranked | | | i i | | i | ,004 |

* FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use and management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the Soil Survey Report or the Technical Guide, Part II.

HYDRIC SOILS CRITERIA CODES AND DEFINITIONS

- All Histosols, except Folists. or
 Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:

 - Pachic subgroups, or Cumulic subgroups that are:
 a. somewhat poorly drained with a water table equal to 0.0 foot (ft.) from the surface from the surface during the growing season, or
 b. poorly drained or very poorly drained and have either:
 (1) water table equal to 0.0 ft. during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in.), or for other soils, or
 (2) water table at less than or equal to 0.5 ft. from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h.) in all layers within 20 in., or
 (3) water table at less than or equal to 1.0 ft. from the surface during the growing season, if permeability is less than 6.0 in/h. in any layer within 20 in., or:
- is less than 6.0 in./h. in any layer within 20 in., or:

 3. Soils that are frequently ponded for long or very long duration during the growing season, or

 4. Soils that are frequently flooded for long or very long duration during the growing season.